4. Fengge

Program Name: Fengge.java **Input File: fengge.dat**

In computer science class, Fengge has been learning about creating output box patterns. He decides to write a program that creates a box pattern that is hollow. For example, a 5 X 6 box made of stars ("*****") would look like this:

```
******
******
**  **
******
******
```

A 9X7 box made of the letter "**a**" would look like this:

```
aaaaaaa
aaaaaaa
aa   aa
aa   aa
aa   aa
aa   aa
aa   aa
aaaaaaa
aaaaaaa
```

Input: Several data sets, each set on one line, consisting of two integers R and C, each greater than 4 and less than 20 in value, and a single character A, with single space separation.

Output: A hollow box with R rows and C columns, with a double edge border filled with the input character A. One blank line follows the box.

Sample input:
```
5  6  *
9  7  a
```

Sample output:
```
******
******
**  **
******
******

aaaaaaa
aaaaaaa
aa   aa
aa   aa
aa   aa
aa   aa
aa   aa
aaaaaaa
aaaaaaa
```